

Message Text

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PAGE 01 BERN 03817 111549Z

41

ACTION EB-07

INFO OCT-01 EUR-12 ISO-00 PRS-01 ERDA-05 AID-05 CEA-01

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TAGS: ENRG SZ

SUBJ: SLT: US QUESTIONS RE SWITZERLAND SUBMISSION ON ACCELERATED
DEVELOPMENT OF ALTERNATIVE ENERGY SOURCES

REF: STATE 200507

FOLLOWING ARE THE ANSWERS PROVIDED BY MR. FEHR OF THE
SWISS FEDERAL ENERGY OFFICE TO THE QUESTIONS RAISED REFTEL:

1./2. TOTAL PRIMARY ENERGY CONSUMPTION (MTOE)

	COAL	OIL	GAS	ELECTRICITY	TOTAL
1974	0.30	13.21	0.37	3.02	16.90
1975	0.29	15.04	0.55	2.89	18.77
1980	0.13	16.70	0.60	3.81	21.24
1985	0.10	18.94	1.10	4.90	24.64

PERCENTAGES

			NUC	HYDR.	
1974	1.8	78.1	2.2	3.2	14.7
1980	0.7	78.6	3.0	5.3	12.4

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PAGE 02 BERN 03817 111549Z

3. OIL AND GAS EXPLORATION, SEE CRITERION 5

4. NO, SEE CRITERION 1, PARAGRAPH 11B, (IEA/SLT 75)

5. A. FOR PUBLIC ACCEPTANCE OF NUCLEAR POWER:

- PRESS CONFERENCES BY THE GOVERNMENT.
- INFORMATION PROVIDED BY ELECTRIC POWER COMPANIES.
- SWISS ASSOCIATION FOR NUCLEAR ENERGY, WHICH INFORMS THE PUBLIC OF NUCLEAR PROBLEMS AND ACHIEVEMENTS AND ESTABLISHES CONTACTS BETWEEN THE ADMINISTRATION, THE PUBLIC AND THE ELECTRICITY PRODUCING COMPANIES.
- DIALOGUES BETWEEN FEDERAL GOVERNMENT REPRESENTATIVES AND ANTI-NUCLEAR DELEGATIONS.

B. SAFEGUARDS:

- THE REVISION OF THE FEDERAL LAW ON THE PEACEFUL USE OF NUCLEAR POWER (1959) IS UNDER WAY.
- THE AGREEMENT BETWEEN THE US AEC AND THE SWISS FEDERAL OFFICE OF ENERGY FOR THE EXCHANGE OF INFORMATION IN NUCLEAR ENERGY REGULATORY MATTERS OF DECEMBER 1974.

C. WASTE DISPOSAL:

- A- DESIGN AND CONSTRUCTION OF A RADIO-ACTIVE WASTE INCINERATORY BY THE FEDERAL INSTITUTE FOR REACTOR RESEARCH IN WURENLINGEN.
- DRILLING PROGRAM IN ANHYDRITE FORMATIONS AND LABORATORY TESTS FINANCED BY THE NAGRA (NATIONAL CORPORATION FOR THE MANAGEMENT OF RADIO-ACTIVE WASTE).

6. PRIOR TO THE DETAILED DESIGN OF A NUCLEAR POWER PLANT, THE SITE CONDITIONS ARE THOROUGHLY EXAMINED BY THE FEDERAL COMMISSION FOR THE SECURITY OF NUCLEAR POWER PLANTS, AND THE IMPACT OF COOLING TOWERS ON THE ENVIRONMENT BY A SPECIAL EXPERT GROUP. BASED ON THE POSITIVE EVALUATION OF THESE COMMISSIONS, A SITING LICENSE IS ISSUED BY THE MINISTER OF ENERGY. PRIOR TO CONSTRUCTION, THE SAME PROCEDURE APPLIES TO EVALUATION OF THE DESIGN OF THE CONVENTIONAL AND THE NUCLEAR PART LIMITED OFFICIAL USE

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PAGE 03 BERN 03817 111549Z

(PARTIAL CONSTRUCTION LICENCES). OPERATION OF THE FACILITY IS ALLOWED AFTER THE ISSUE OF A PROVISIONAL, AND AFTER SUCCESSFUL OPERATION, OF A DEFINITIVE LICENCE TO OPERATE.

7. FOR THE TIME BEING, THERE IS NO ENERGY RD PROGRAM ON NATIONAL LEVEL. HOWEVER, PRIVATE INDUSTRY WORKS ON MANY ENERGY PROJECTS, SUCH AS SOLAR ENERGY, AN HHT REACTOR, HYDROGEN TECHNOLOGY AND SO ON. A NATIONAL PILOT RD PRO-

GRAM IS PRESENTLY BEING DEVELOPSK.

8. TOTAL FISCAL CHARGES ON OIL PRODUCTS:

FUEL OIL: 1.58 SF / 100 KG

DIESEL OIL: 72.01 SF / 100 KG

GASOLINE: 75.86 SF / 100 KG

9. MEASURES TO OVERCOME CONSTRAINTS ON ENERGY DEVELOPMENT:

- THE NUMBER OF NUCLEAR SECURITY EXPERTS HAS BEEN CONSIDERABLY INCREASED (PRESENTLY 20).

- THE FINANCIAL MARKET IS EASIER; LOANS ARE FULLY SUBSCRIBED.

- AN INVESTIGATION OF THE TOTAL IMPACT OF INDUSTRY, CONSTRUCTION AND NUCLEAR POWER STATIONS ON ONE PARTICULAR REGION ARE UNDER WAY.

10. FROM 1967 TO 1973 URANIUM PROSPECTING ON SWISS TERRITORY WAS SUBSIDIZED BY THE FEDERAL GOVERNMENT. ABOUT 2 MILLION SF WERE SPENT ON THIS PROGRAM. SINCE THEN URANIUM PROSPECTING HAS INCREASED AND IS MAINLY IN THE HANDS OF PRIVATE FIRMS FROM WHICH FIGURES ON EXPENDITURE ARE NOT AVAILABLE.

11. INVESTMENTS FOR CONSTRUCTION OF HYDRO-ELECTRIC POWER FACILITIES TOTALED ABOUT 390 MILLION SF AS OF 1973. FOR HYDRO-ELECTRIC OUTPUT SEE CRITERION 10 - (IEA/SLT 75).

12. A. NUCLEAR POWER PLANT CONSTRUCTION:

USA: WESTINGHOUSE, GENERAL ELECTRIC

GERMANY: KRAFTWERKS -UNIONN ERLANGES

SWITZERLAND: BROWN BOVERI CO., SULZER, G. FISCHER,

ATELIERS CHARMILLES, WITH CONSIDERABLE PARTICIPATION

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PAGE 04 BERN 03817 111549Z

IN THE CONVENTIONAL, BUT ALSO THE NUCLEAR ISLANDS FOR NUCLEAR POWER PLANT CONSTRUCTION.

B. OIL AND GAS PROSPECTION:

- GEWERKSCHAFT ELWERATH (ESSO/SHELL) (D)

- SN DES PETROLES D'ACQUITAINE (F)

- SHELL (NL)

- SWISS PETROL HOLDING SA (CH)

13. THERE ARE NO COAL BURNING ELECTRICITY PLANTS IN SWITZERLAND.

14. NUCLEAR ELECTRICITY FACILITIES HAVE CONCLUDED COMMITMENT CONTRACTS MAINLY WITH US ENRICHMENT SERVICE SUPPLIERS WHICH ASSURE SUFFICIENT SUPPLY UNTIL THE

MID- 1980'S. CONTRACTS FOR SUPPLY OF NATURAL URANIUM
CONCLUDED UP TO NOW WILL COVER ESTIMATED NEEDS ONLY
UNTIL ABOUT 1980.
ODELL

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